

RE-SUBMISSION OF APPLICATION TO VALIDATE THE
NOMINAL SPECIES *TROMBIDIUM AKAMUSHI* BRUMPT
(ACARINA). Z.N.(S.) 400

By I.W.B. Nye (*Assistant Secretary, International Commission
on Zoological Nomenclature*)

1. The application to validate the name *Trombidium akamushi* Brumpt, 1910, was submitted to the Commission by Dr. C.B. Philip and published in 1961 in *Bull. zool. Nom.* vol. 18: 140-140-142 - see Appendix 1. The application was supported by R. Domrow, and by T. Uchida in *Bull. zool. Nom.* vol. 18: 318 - see Appendix 2. In the course of voting by the Commission on this application it was pointed out that the first of Dr. Philip's proposals required the use of the plenary powers. The vote on the application as a whole was therefore cancelled and an amendment to the first proposal was published in 1962 in *Bull. zool. Nom.* vol. 19: 155 - see Appendix 3. In further correspondence with the Secretary some members of the Commission expressed disagreement with the second of Dr. Philip's proposals. These members favoured the designation of a neotype for *T. akamushi* rather than the proposal that it should be interpreted by reference to a later published description and figures as these may not necessarily all be based on the same specimen. During the endeavours to resolve this issue the case was overlooked; now because of the lapse of time, recent requests by Dr. Philip and other acarologists for a decision, and the need for some further amendments to the proposals, this application is re-submitted.

2. The first six paragraphs of the original application by Dr. Philip, reprinted as Appendix 1, require no change. It is only the last paragraph containing the detailed proposals that needs alteration.

3. Concerning proposal (1), the comment by T. Uchida, reprinted in Appendix 2, confirmed the doubtful status of the work said to have been issued by K. Kishida in 1909, and no further information concerning the existence of any copies has been received by the Secretariat. However, it has already been agreed that copies may have existed and that the Commission should be asked to suppress the work.

4. Concerning proposal (2) and how *T. akamushi* should be interpreted. This problem has been partially resolved by a detailed study of the species by Vercammen-Grandjean, 1969, *Etablissement d'un lectotype pour Leptotrombidium (Leptotrombidium) akamushi* (Brumpt, 1910) (Acarina: TROMBICULIDAE), *Acarologia* vol. 11: 94-103, text-figs. 1-6. As can be seen from the title, the author stated his intention of establishing a lectotype. This was an unfortunate error of

terminology as the author himself stated that none of the original type-specimens is known to exist, and from the context of the paper Vercammen-Grandjean was clearly intending to establish a neotype, and in fact fulfilled all the conditions of Article 75 required for the valid designation of a neotype. The Commission will therefore be asked to rule that this specimen is the neotype of *T. akamushi*.

5. Concerning proposal (3) it is certainly necessary to ask the Commission to place *T. akamushi* on the appropriate Official List, but it is not relevant to this application to ask for any action concerning *Trombicula minor* Berlese, 1905.

6. Similarly with proposal (4) it is necessary to ask the Commission to place *Leptotrombidium* Nagayo et al., 1915, on the appropriate Official List, but it is not relevant to this application to ask for any action concerning *Trombicula* Berlese, 1905.

7. Proposal (5) should remain as in the original application.

8. In order to ratify the nomenclature, and the neotype by which this medically important vector mite is known, the Commission is asked to:

- (1) use its plenary powers to suppress for the purposes of zoological nomenclature the work by K. Kishida entitled 'Notes on the Family Trombidiidae of Japan', Tokio, which may have been distributed in the year 1909;
- (2) rule that the neotype of *Trombidium akamushi* Brumpt, 1910, is the specimen designated by Vercammen-Grandjean, 1969, *Acarologia* vol. 11: 97-100, as "lectotype" and deposited in the University of California, U.S.A. as Holotype No. L/5866/1;
- (3) place on the Official List of Specific Names in Zoology the specific name *akamushi* Brumpt, 1910, as published in the binomen *Trombidium akamushi* and as objectively defined by its neotype, the specimen cited in (2) above;
- (4) place on the Official List of Generic Names in Zoology the generic name *Leptotrombidium* Nagayo, Miyagawa, Mitamura, Tamiya and Satori, 1915 (gender: neuter), type-species, by monotypy, *Trombidium akamushi* Brumpt, 1910;
- (5) place on the Official Index of Rejected and Invalid Specific Names in Zoology as an unavailable name, *Kedania tanakai* Kishida, 1909, included in a work suppressed under the plenary powers in (1) above and rejected for the purposes of zoological nomenclature;
- (6) place on the Official Index of Rejected and Invalid Works in Zoology the work by K. Kishida entitled "Notes on the Family Trombidiidae of Japan", Tokio, which may have been distributed in 1909, as suppressed under the plenary powers in (1) above.



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